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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/938,006	08/23/2001	Michael A. D'Annunzio	7784-000192	1118

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HARNESS, DICKEY & PIERCE, P.L.C.
P.O. BOX 828
BLOOMFIELD HILLS, MI 48303

EXAMINER

HU, JINSONG

ART UNIT	PAPER NUMBER
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2154

DATE MAILED: 02/17/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/938,006

Applicant(s)

D'ANNUNZIO ET AL.

Examiner

Jinsong Hu

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 May 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date see attachment.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

IDS mail date: 1/31/02; 1/14/03; 5/30/03.

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DETAILED ACTION

1. Claims 1-20 are presented for examination.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Brotherston (WO 00/63806).
4. Brotherston is a prior art reference filed by applicant on form 1449, dated to 5/30/03.
5. As per claim 1, Brotherston teaches the invention as claimed including an Internet protocol (IP) networking architecture for an aircraft [abstract], the architecture comprising:

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a command and control sub-network (CCN) interconnecting a plurality of control interfaces wherein each control interface has a corresponding logical CCN address [12, 13a-b, 14, Fig. 1; p. 7, line 27 – p. 8, line 7; p. 12, line 19 – p. 14, line 26];

a passenger services sub-network (PSN) interconnecting a plurality of passenger interfaces wherein each passenger interface has a corresponding logical PSN address [11a-c, Fig. 1; p. 7, lines 14-16; p. 11, lines 20-30]; and

an air-to-ground sub-network (AGN) providing Internet access to the passenger interfaces via one or more isolation systems having corresponding logical CCN addresses and corresponding logical PSN addresses such that devices communicating on the AGN and the PSN are blocked from accessing the CCN addresses [p. 6, lines 27-28; p. 8, lines 20-25; p. 11, lines 22-30; i.e., a new logical address will be used during trip, which is inaccessible for external device].

6. As per claims 2 and 12, Brotherston teaches the isolation systems have logical AGN addresses corresponding to an aircraft identifier such that the aircraft has a unique subnet address [p. 17, lines 13-17].

7. As per claim 3, Brotherston teaches an airborne router is defined as one of the isolation systems, the airborne router having a device identifier such that the aircraft identifier and the device identifier define the logical AGN address for the airborne router [13a-b, Fig. 1; p. 6, lines 23-25; p. 12, line 19 – p. 14, line 26].

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8. As per claim 4, Brotherston teaches a web server is defined as one of the isolation systems, the web server having a device identifier such that the aircraft identifier and the device identifier define the logical AGN address for the web server [14, Fig. 1; p. 14, line 27 – p. 15, line 9].

9. As per claims 5-7, Brotherston teaches a seat electronics box is defined as one of the passenger interfaces, the logical PSN address of the set electronics box acting as a proxy for devices coupled to the seat electronics box [p. 7, line 14-16; p. 11, lines 20-30].

10. As per claims 8 and 9, Brotherston teaches a passenger-supplied computing device is defined as one of the passenger interfaces, the passenger-supplied computing device having a logical PSN address for which the logical PSN address of the seat electronics box serves as a proxy [p. 7, line 14-16; p. 11, lines 20-30].

11. As per claims 10 and 11, Brotherston teaches one or more area distribution boxes are defined as being control interfaces such that the area distribution boxes have corresponding logical CCN addresses, the area distribution boxes serving as hubs for the seat electronics boxes [13a-b, Fig. 1; p. 6, lines 23-25; p. 12, line 19 – p. 14, line 26].

12. As per claim 13, Brotherston teaches a control panel is defined as one of the

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crew interfaces such that the control panel has a corresponding logical AGN address [12, Fig. 1; p. 6, lines 21-23].

13. As per claim 14, Brotherston teaches a media server is defined as one of the crew interfaces such that the media server has a corresponding logical AGN address [14, Fig. 1].

14. As per claims 15-16, since they are device claims of claims 1-14, they are rejected for the same basis as claims 1-14 above.

15. As per claims 17-20, since they are method claims of claims 1-14 above, they are rejected for the same basis as claims 1-14 above.

Conclusion

16. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

Fukui (US 6,131,119) discloses a network device configuration system;

Gross et al. (US 6,507,739) discloses a cellular communication system; and

McCraw et al. (US 6,795,699) discloses a airborne cellular system.

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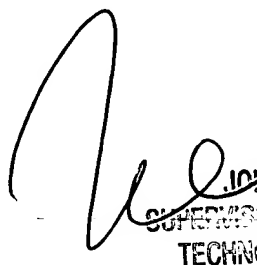
17. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jinsong Hu whose telephone number is (571) 272-3965. The examiner can normally be reached on 8:00 AM - 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John A. Follansbee can be reached on (571) 272-3964. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jinsong Hu

February 3, 2005


JOHN FOLLANSBEE
SUPERVISOR, PATENT EXAMINER
TECHNOLOGY CENTER 2100